IN THE CLAIMS

1. (currently amended) A pelvic prosthesis comprising:

(a) a ball socket adapted to replace the acetabulum; and

(b) a substantially U-shaped bearing element having first and second wings extending ~~proximally~~ outwardly from said ball socket;

wherein said first and second wings are spaced apart in a substantially U-shaped configuration; said first and second wings are oriented on opposite surfaces of a pelvic bone; and said first wing is substantially taller than said second wing.

2. (previously presented) The pelvic prosthesis of claim 1 wherein said second wing is substantially parallel to said first wing.

3. (previously presented) The pelvic prosthesis of claim 1 wherein said ball socket utilizes a constrained liner.

4. (previously presented) The pelvic prosthesis of claim 1 wherein said ball socket utilizes a non-constrained liner.

5. (previously presented) The pelvic prosthesis of claim 1 wherein said first and second wings are fixed to the pelvis.

6. (previously presented) The pelvic prosthesis of claim 1 wherein said first and second wings are offset curved surfaces.

7. (previously presented) The pelvic prosthesis of claim 1 further comprising a stabilizing hump extending between and substantially perpendicular to said first and second wings.

8. (previously presented) The pelvic prosthesis of claim

1 further comprising an extension device for interconnecting the pelvic prosthesis with a femoral component.

9. (previously presented) The pelvic prosthesis of claim 1 wherein said first wing defines at least two spaced apart pin receiving holes.

10. (previously presented) The pelvic prosthesis of claim 9 wherein said pin receiving holes have countersinks.

11. (cancelled)

12. (previously presented) The pelvic prosthesis of claim 1 wherein said first wing is approximately twice as tall as said second wing.

13. (previously presented) The pelvic prosthesis of claim 9 wherein said second wing defines two spaced apart pin receiving holes which are aligned with the pin receiving holes defined by said first wing.

14. (previously presented) The pelvic prosthesis of claim 9 wherein the two spaced apart holes are spaced apart in the medial— lateral direction.

15. (previously presented) The pelvic prosthesis of claim 13 wherein the spaced apart holes on said first wing include a lateral anterior hole and a medial anterior hole, and the spaced apart holes on said second wing include a lateral posterior hole and a medial posterior hole.

16. (previously presented) The pelvic prosthesis of claim 15 wherein said lateral anterior hole, said medial anterior

hole, said lateral posterior hole, and said medial posterior hole are arranged such that a first pin extending through said lateral anterior hole and said lateral posterior hole is not parallel to a second pin extending through said medial anterior hole and said medial posterior hole.

17. (cancelled)

18. (cancelled)

19. (cancelled)

20. (cancelled)

21. (cancelled)

22. (cancelled)

23. (cancelled)

24. (cancelled)

25. (cancelled)

26. (cancelled)

27. (cancelled)

28. (cancelled)

29. (previously presented) A pelvic prosthesis comprising:
a ball socket adapted to replace the acetabulum;

an anterior fanned wing extending upward from said ball socket; and

a posterior fanned wing extending upward from said ball socket, said posterior fanned wing being spaced apart from said anterior fanned wing;

wherein

said anterior fanned wing defines at least two spaced apart pin receiving holes;

said posterior fanned wing defines two spaced apart pin receiving holes which are aligned with said pin receiving holes defined by said anterior fanned wing;

said spaced apart holes on said anterior fanned wing include a lateral anterior hole and a medial anterior hole, and said spaced apart holes on said posterior fanned wing include a lateral posterior hole and a medial posterior hold; and

said lateral anterior hole, said medial anterior hole, said lateral posterior hole, and said medial posterior hold are arranged such that a first pin extending through said lateral anterior hole and said lateral posterior hole is not parallel to a second pin extending through said medial anterior hole and said medial posterior hole.

30. (previously presented) The pelvic prosthesis of claim 29 wherein said posterior fanned wing is substantially parallel to said anterior fanned wing.

31. (previously presented) The pelvic prosthesis of claim 29 wherein said ball socket utilizes a constrained liner.

32. (previously presented) The pelvic prosthesis of claim 29 wherein said fanned wings are offset curved surfaces.

33. (previously presented) The pelvic prosthesis of claim

29 further comprising a stabilizing hump extending between and substantially perpendicular to said anterior fanned wing and said posterior fanned wing.

34. (previously presented) The pelvic prosthesis of claim 29 further comprising an extension device for interconnecting the pelvic prosthesis with a femoral component.

35. (previously presented) The pelvic prosthesis of claim 29 wherein said anterior fanned wing is substantially taller than said posterior fanned wing.

36. (previously presented) A pelvic prosthesis comprising:

a substantially U-shaped bearing element comprising a first wing, a bearing section, and a second wing, said substantially U-shaped bearing element arranged to accept a pelvic bone on said bearing section between said first and second wings; and

a ball socket oriented adjacent to said U-shaped bearing element, and adapted to replace the acetabulum;

wherein said first wing is substantially parallel to said second wing.

37. (previously presented) The pelvic prosthesis of claim 36, further comprising a stabilizing hump extending between said first and said second wings.

38. (previously presented) The pelvic prosthesis of claim 36, wherein said ball socket utilizes a liner.

39. (previously presented) The pelvic prosthesis of claim 36, wherein said first and said second wings are fixed to the pelvis.

40. (previously presented) The pelvic prosthesis of claim 36, wherein said first and said second wings are offset curved surfaces.

41. (previously presented) The pelvic prosthesis of claim 36, wherein said first wing is substantially taller than said second wing.